

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Chile. Instituto central meteorológico y geofísico.

Anuario meteorológico de Chile. Segunda parte (Resúmenes) 1915. Santiago de Chile. 1917. p.1, 128 p. 21, incl. tables, 36 $\frac{1}{2}$ cm. [Publication] no. 22.

Dessoliers, Hippolyte.

System of producing heat-rains by means of sheets of water of slight depth. 3 p. 29cm. (U. S. Patent office. Specification of letters patent. 1,252,670. Application filed June 20, 1914. No drawing. Serial no. 846,410. Patented Jan. 8, 1918.)

Lourenço Marques. Observatório Campos Rodrigues.

Relatório. Ano de 1916. Volume 8. Lourenço Marques. 1917. 181 p. incl. tables, 38 $\frac{1}{2}$ cm. At head of title: Província de Moçambique. Serviços de marinha.

Nunn, Roscoe.

Climate of Tennessee. 15 tables. 6 charts. 23cm. (Excerpted from Resources of Tennessee, published by the State geological survey, Nashville, Tenn. v. 8. Jan. 1918. p. 7-45.)

Schmid, Friedr[ich].

Das Zodiakallicht, ein Glied der meteorologischen Optik. 15 p. 23cm. (Separatabdruck aus den Verhandlungen der Schweizerischen naturforschenden Gesellschaft. 99 Jahressammlung. Zürich, 1917. 2 Teil. Vorträge.)

Seeley, Dewey Alsdorf.

Relation between temperature and crops. plate. 17 tables. 2 charts. 23cm. (Reprinted from 19th report. Michigan academy of science. 1917. p. [167]-196.) [Literature cited, p. 194-195.]

Slipher, V[esto] M[elvin].

The spectrum of lightning. [Flagstaff, Ariz. Sept. 1917.] 32cm. (Lowell observatory. Bulletin no. 79. p. 55-58.)

Stok, [Johannes] P[aulus] van der.

Bijdrage tot de kennis van het klimaat van Nederland. [Parts 1-5.] [De Bilt] 1916-1917. plate. tables. charts. 25cm. (Overgedrukt uit det "Tijdschrift van het K. Nederlandsch aardrijkskundig genootschap," 2^o Ser. dl. 33, 1916, Afl. 1, 2, 6, p. 1-29; 163-190; 827-845. dl. 34, 1917, Afl. 4, 6, p. 481-504; 800-821.)

Tsingtau. Meteorological observatory.

Annual report for the year 1916. [Tsingtau. 1918.] 22 p. incl. tables. 32cm. In Japanese and English. [Contains results of meteorological observations for Tsingtau and Tsinanfu.]

Voss, Andreas.

Die neue Wettervorhersage. 30 $\frac{1}{2}$ cm. (Photographed from Mitteilungen der Deutschen dendrologischen Gesellschaft. 1915. p. 133-139.)

West Indies. Imperial department of agriculture.

Report on the agricultural department, Dominica, 1916-17. Barbados. 1917. 3 p.l., 60 p. plate. tables. charts. 33 $\frac{1}{2}$ cm. [Rainfall returns, Botanic station, Dominica, 1893-1916.]

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents or the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

- Forest investigators. Proceedings of meeting. Washington. February 26-March 2, [1917].*
 Mitchell, J. A. Temperatures—air and soil [in forestry]. p. 170-178.
 Sampson, A. W. Air and soil temperatures [in forestry]. p. 178-185.
 Munns, Edw[ard] N. Wind, humidity, and evaporation [in forestry]. p. 185-189.
 Kenety, W. H. Evaporation [in forestry]. p. 189-195.
 Pearson, G. A. Methods of measuring light [in forestry]. p. 196-203.
 Lamb, George N. Importance of phenological observations [in forestry]. p. 203-207.
 Justice, A. A. Precipitation, with special reference to snow measurements [in relation to forestry]. p. 207-218.
Geographical review. New York. v. 5. February, 1918.
 Coker, R. E. Ocean temperatures off the coast of Peru. p. 127-135.
 Chu, Co-Ching. Some Chinese contributions to meteorology. p. 136-139.
Meteorological society of Japan. Journal. Tokyo. 37th year. January, 1918.
 Oishi, W. Helpa tabele por redukti atmosferan premon al la marnivela valoro.
 Fujiwhara, S. Green flash at sunset. p. 7-8.
Popular astronomy. Northfield, Minn. v. 26. January, 1918.
 Pickering, William H. Report on Mars, No. 19. p. 33-47. [Proposes a meteorological explanation of the Martian canals.]
Royal Society of New South Wales. Journal and Proceedings. v. 50, pt. 1. 1916.
 Greig-Smith, R. Mr. Lawrence Hargrave. p. 3-5. [Obituary.] [Reprinted above, p. 27.]
Science. New York. v. 47. February 15, 1918.
 Salmon, S. C. A preliminary note on soil moisture and temperature factors in the winter killing of grain crops. p. 173-174.
 Lester, O. C. An unusually brilliant halo. p. 170-171. [See above, p. 22.]
Scientific American supplement. New York. v. 85. February 2, 1918.
 Arctowski, Henryk. The pleionian cycle of climatic fluctuations. A study equally as important as normal conditions. p. 66-67. [Repr. Amer. journal of science.]
Scientific monthly. New York. v. 6. February, 1918.
 Ward, Robert DeCourcey. Weather control over the fighting in the Italian war zone. p. 97-105.
 Palmer, Andrew H. Snow and its value to the farmer. p. 128-141.
Second Pan American scientific congress. Washington. Dec. 27, 1915-Jan. 8, 1916. Proceedings. volume 2. Wash., 1917.
 Sarasola, Simón. Investigaciones sobre la predicción de las variaciones barométricas. p. 36-41.
 Millas y Hernández, José Carlos. Génesis y marcha de los huracanes Antillanos. p. 42-55.
 Alexander, William H. Thunderstorms. p. 55-75.
 Smith, J. Warren. Agricultural meteorology. p. 75-92.
 Voorhees, J. F. Climatic control of cropping systems and farm operations. p. 127-132.
 Gutiérrez-Lanza, Mariano. El clima de Cuba. p. 132-172.
 Arctowski, Henryk. The pleionian cycle of climatic fluctuations. p. 172-179.
 Hobbs, William H. The Ferrel doctrine of polar calms and its disproof in recent observations. p. 179-189.
 Miller, Eric Rexford. The meteorological influences of lakes. p. 189-198.
 Von Herrmann, Charles F. The position of meteorology among the sciences. p. 199-204.
 Thiessen, Alfred H. The weather and the climate of Salt Lake City, Utah. p. 205-225.
 Morandi, Luis. Frecuencia, cantidad y modalidades de la lluvia y del granizo en villa Colón (Montevideo) en el período 1884-1914. p. 225-234.
 Bazzano, Hamlet. Río de la Plata—generalidades— influencias meteorológicas. p. 234-239.
 Wells, Edward Lansing. The economic aspect of climatology. p. 240-249.
 Frankenfield, H[enry] C. Sleet and ice storms in the United States. p. 249-257.
 Beals, Edward A. Forecasts of weather favorable to an increase of forest fires. p. 257-270.